# Avadion Peys Megraw-Hill Publishing Company, Inc. DECEMBER 11, 1944



New Fairchild Post-war Bid: Already a strong contender in the cargo plane field with the C-82 Packet, Fairchild is building a prototype of the M-84 personal plane and has set up a sales organization to market it. Four-place, it follows the popular trend toward low-wing, high-visibility planes for private flyers. It will be in the medium price range.

#### Groundwork for World CAA Laid at Chicago Conference Main objectives of international aviation parley

#### New Globe Swift May be Flight-Tested Next Month

#### Eastern Recommended for Great Lakes-Florida Link

Examiner asks 595 new route miles from Columbia, S. C., to Detroit; urges Board to extend Delta

## system from Cincinnati to Chicago.......Page 50 Constellation's Five-Year Development Is Described Results of exhaustive design tests will find exten-

sive use in larger post-war aircraft, C. L. Johnson tells Institute's Los Angeles meeting..... Page 43

#### Fairchild Builds New 4-Place Prototype for Post-War Company setting up distributing organization to

handle sales of new M-84, low-wing monoplane, for medium-price field. Page 10



#### into firing position

PALEYS of Micarca extend life of both. suffer and cable. Millions are now in

ARTERNA MARTS of Mounts hold the

some sacks here been successfully



#### with strong, lightweight

#### MICARTA Bullets for a viene's chattering wine year are stored in

MICARTA weighs approximately one-half as much

as abarranum of equal strength-being eliminate superflavor wright in the place. MICARTA rates bish in flexucal, compressive and impact strength in high abroade flying, as temperatures

MICARTA "444" is easily and quickly produced with nespensive wooden molds. Shoots are subjected to best and versure, and formed rate strong, intrinste shapen This year Micorta "555" was revently developed for the fairing, accumulator covers, aviator's chart cases, fuselaga tailwheel housing wingroup ejection chates. For further information, and a entry of the New Magazia Data book (D.1164 A) wrote West-subsense Rectric & Macrofasterine

Company, Bast Potshurgh, Pa., Dept. 7-N.

#### Washington Observer

STATE DEPARTMENT AVIATION-Number State responsible for axiation reager other mataters run irda same Scuate aumerities, although not free on avoition serry of view. Concrette Provident. This carees of rearrie that the White House will direct ser international aviation

THE AVIATION NEWS

Adelf A. Herle, Jr., whose rengarton was aunouseed in Weakington before the completion created some eyebrow runing in the Capital. It was generally agreed in Washington that Berle ton has had considerable expension in intertignal trade as a private bissness mon.

ANPIRIN DEPARTMENT-Releases received recently from Wright Field and from the War Department in Washington, both of the same date, concreased the Norden burchilets. From Wright Field-'When the plane has reached the carroct point of release to calculated by the errepater, the bombaucht automatically releases the houses." Frees the War Department-'When ping angle Ac (the continuer) presses an electrical release button which draws the burnles singly or in train," How's that again?

SURPLUS EQUITMENT - Aviation tender aviation schools feel they also should get consideration, although they realize it will not be

RECONVERSION-Manufactures of transpeet planes are expected to use their modificaport and other types of photes sald shroad as surpher. Weshington officials mot cald recreation at first, new any builder participation is leoked spon mere favorably.

PLANE NEEDS-Westington does not want

COMBAT TYPES-First regiserent for new sir forces of liberated nations probably will came free United States in one way or another, and here, tre, Washington electes want to make

Latest were of Lauter-Key-Prison Average's CO-10A plater





Collection Alecal Bourge System as or professing the Statemen Model that Old Hearing Uses for critical out in Intelligence Collection Collectio

Designed around America's next referred hereing many the Carlosson Model 2011 in our or hands, the our and the Carlosson Model 2011 in our or hands, the our America's sent of the Carlosson Model 2011 in our or hands of the our



AVIATION NEWS

THE STAFF

COLUMN VIEW. Jehlyle
SOURT H, WIND . Skin
SOUR SHARE WAS A SHARE
MELLO H, WOOD . Skin
MELLO H, MOOD . Teachyo Edin
DENNE S, WINCE B . Design
MARY FALSIN FIRST . For decorate
MARY FALSIN FIRST . Now York Edin
SOURCE SAME . Jest's Column
MARY MERCY . Now York Edin
ALLY MOSCHEY . Print Type Shor
ALLY MOSCHEY . But Mary MARY B. M

CONTENTS PAGE
Wishlame Content
Page 1

Porchid Engine and advance Corp., Gree. U.S., Acros. Ale. France, S., 111, Chycles Ciry, Mr. Hann, S. & Strong, S. H. Chycles Corp. Million 14. Erocal Bengantum, Edited Bengantum, 160-bit Subscool From Leiding.

Control Contro

Adventises Index

dense Application Cop.

Index Applic

AVIATION NEWS \* December 11, 1946

cure that planes are in first class condition. France, Edgines, the Netberlands, Dommark, Narway, Croshe-Slevckia, Guesce will have to be equipped to mointain same equilibrium. These is even same talk of helping rebuild spenish air farce, but probably not while France in It. the self-france.

PLANE REFURNS—Fact that dements arriance received all of the first batch of C-S/r and Ledenderr available does not mean that this will be repeted in relacement althoutoner. Foreign alchee one gazar is get pieces they demently need where they will be in the war

dries are indired, however, in the result his temporar disease of the dried homeon of the sparse subtraction for the Chicago conference, it he has a conference of the Chicago conference, and in the regulations, that a hard-halfed affitted is their apparatualess, that a hard-halfed affitted is going to have seenously than ever in dealing with countries outside the Western Henris-phore. As a nearly, forced and this entry here. If it presently, forced dear jobs blue chips to a man what is dealing form below the table.

WAR PRODUCTION URGENCY — Sepritusace of a record sosteneous designed to clarify current policy and re-emphasine surgesty of war production and the fact that recorressors must not interfere with war production was extracted particular, it was the less term in the word that, observed on a suggested statistiction with the contract of the production was with the contract of the contract of the WYS regional directors, War Manpower Comlinion research latte and one directors. Asset

Observer that the property of the property of

▶ If the new CAA surport pro-

ports new dostgrated as estificated six current flows A field, et lit of them 60 thous would be improved, with 11 replacements and our applications by the control of the control of the applications by restificate, CAA proposal are provenants of 413 data in addition, places designated by CAA or "topped ultimate feeder solving number MS, of which 635 would be improved that the control of the control of the control of the part of the control of the control of the control part of the control of the control of the control part of the control of the control of the control of the PAE Transport Command now has disce to 146 2001—engaged strategories for edges eventuals, were

AVIATION NEWS . December 11, 1944

shington Obser

Service Poeces regrocal directors, and WPS, Arroy, Navy and AROO and WMC Mombers of Production Energency Committee, Washington officials regard it as a real accomplishment and of great significance in working our scene of the difficulties in the period which lies aband

PRICING OF TRANSPORTS-This bus been the higgest handache of Surphus Property's Aviation Division. Februals, was complicated, but was chosen as the best possible under the circurretences. It probably will not stand up many recedes because of the maidly character picture. Berring unforescen developments, the nation will be up to its ears in transports by the middle of next year-but there wen't be an array as the elermints have been shouting about. Talk of 28,000 is nessense. Only that many bays been built in all in four years, and many of these may automotically be written off as uneconomical for convenies or corration. Others are warweary, meny have combed, hundreds will be needed in Europe for a long time to came, thensands will be in one in the Paritle, although the great need set there is far box-rarge casto-

TECHNOLOGICAL BANKHUPTCY—B will take years for idearance assumes to rebell technologies of the property of the

• Code. Plane and ice railes in 1946 probably will be des touses the 1948 flacers.
• Defeniere has fathed to interfere savisatify with the control of the control

princed by a two-place ably after the wer list, as suscept well be made to compute in prior with smaller two-place craft. Like most safer lephphine from, disease is giving elone study to a place plane from, disease is giving elone study to a lephine from, disease is giving elone study in a plane state. A plane in the plane is a plane plane state, which is a plane in the plane is a 1,111 Conferenced with 6th, excluding modification of the plane is a plane in the plane is a plane in the "WA with 5.131 lepted well, 4511 and Western By Major Al-Williams, AUAS, "TATTERED WING TIPS"

Guilf Aviation Products Moneger, Guilf Bide., Pittsburgh 30, Pe. Merry Christmas And a special Mony Christman to three Jacta About Well Kappen Pleast belonm Major al Williams, will get you promoted to Senior Perch Hutter, and the The P-M J carries a bigger bomb-lead

KEEP YOUR EYE PEELED FOR "LITTLE

KNOWN FACTS ABOUT WELL KNOWN

PLANES" A REGULAR DEPT. IN EVERY ISSUE



Buy has an indian excise. Does floe-the P-17 D was the first to have a

leb with a new funcings. New Kasa, Votanta, Peuls Piler.

Gelf Oil Corporation and Gulf Battelou Company...makera of

CHIE

OR IS ANNUNITION—USE IT WISHLY AVIATION NEWS . Develop 11, 1944

AVIATION



Basis for World Agreement signatory states, us a document of

#### At Chicago Civil Air Conference

Main objectives of international aviation parley accomplished, despite imbility to attain full appreciated for permanent convention; interim council set up

By MERLIN MICKEL

Early appraisal of the necessplutments of the International Civil Aviation Conference, which ended last week at Chicago, inagreement on air transport and continue its work pending a final Otherwers who tenned the meetfurther then was thought possible

Previsional Green Set Co... The becames effective, in he eyest lenger then three years. The re

Member states elected to the Those of chief importance in air

transport, those not otherwise inelisted which make the largest ties for international civil nir navatalion, and those not otherwise included where election will inwas left, recognishly for Burnia

AVIATION NEWS . December 11, 1944

In the second group: Canada, Cuba. Norway, Iraq and Peru. In the third Chisa, Australia, Czechoslovakıs, Egypt, Turkey, El Selvadoc, Colornian and Chileway offered to reagn its interior convention. The U. S. won ris mean point, on the other hand, in made a equitier offer that she resign, since Norway's resignation tion with advisory expectites and

Freedom of the Air-To make Chose orarited eleaner available Seat to Be Decided-Canada and Pressee have applied to become the two freedoms, the rights of free broad and men-traffic landres The other added three freedoms to these, greeting restual right to before it poes out of existence, commercial entry and interrecdiate traffic pockup Thus there emerged from the



UNIVERSITY OF ILLINOIS AIRPORTS

ing on the campus is the center of the University's arresautical labora-

has an area of 762 acres, three rannogus 5,300 feet long, 150 feet unde United Kingson, France, Nethernamed with concrete: taxnaram 50 feet wide with total length of 12,000 feet Construction gorney was Civil Aeronastics Afranautrones

dam of the sir, one more limited Boute Form Adapted-It adapted a standard form of route acree-Treedon' agreements. It also re-

39 days after ratification by 26

Plan World ATA

On it are John C Cooper, Vice-president of Pan Americ

can Arrways; John Sheer of American Export Arires; Leur, CH Perdinard Piccon. Chief of the Air Transport North, general manager of Stredge Air Lines: Cal. Pedra

Conference of International Air Treffic Organisations and Albert Boyer, secretary-gen-

the conference and head of the care had advanced international U. S. delegation, rammed up the achieved our dreams, at least it is ... the conclusions reached much an important atop toward the use anarchy that has hitherto preof air transport for the beneft of

#### 20 Douglas C-53's Allocated To Domestic Airlines by SPB

Additional planes expected to be available before end of year: about 50 more to be declared surples and turned over this month including some Lockheed Lodesters

> Cost to Airlines-It is articipated

senger service. Net prices wall reflect allowences for conversion

and repoir, with the conversion

allowance running from \$29,000

Doggan Elected

Thomas & Dormo, There-

lan Distributors and Morrow

Other officers: B. V. Trader,

of Bob Trader Acco Supply Pittsburgt, and Richard S

advery board New ADMA

directors include: H. P. Ladds,

Tynan, Electric Storage Bet

Wilson, Glidden Co., Chicago

tors Corp., Muskager, Mich.

G Maron, Avistica Seretr

Corp., Hapewile, Ga; G. H

Van Duten, Van Duten Att-

Br WILLIAM G. KEY

Twenty Desartes C-12's were C-83 will be less than \$70,000, of the C-47, about \$55,000. Type peace is the peace for the stance in good operating condition and of which will be assigned foreign

The allocations came less than turned over to SPS. The places serwied signed immediately, and without walking for completion of the de-

Allecations - Arrivaes obtaining each to Pan American, Eastern, Northwest and YWA, one each to Pan American-Grace, PCA, Bran-

by Lord Col. William B. Hardon. with the C-53 type perce being \$100.000 and the Lestester price busen \$55,000. Other props are: \$55,000 for the C-47: \$46,000 for 600 for the Lerbbord C-51, which is the Lodestar; \$40,000 for the Lookheed AT-16, which is the neighboard Hardson; \$45,000 for the

not expected to be available durcommercial use by the CAA. The and necessary modifications are

#### Air Industry's Progress Reflected In NATA, ADMA Meetings

More than 1,000 around conferences, hundreds with personal planes; over 100 exhibition booths in operation; landing strip demonstrated in St. Louis' Forces Park

By ALEXANDER McSURELY

Association and Aviation Distribuweek offered temphle evidence of

Attendance was well over the more than 100 exturns booths to the enthering, while hundreds the gathering was truly a "fly-in

Significant points from addresses and discussion in the four days of the convention sessions may be adequate post-war air force. Worning against swee-extrava-

turble personal places and more Louger and more insistent decraft Engineering Corp., and

stallment back, with an urrent plete servicing of strengt, and need for cleaned-up, attractive

Appeal for courtesy and consideration by instructors in dight

me" at students, as in score willdary flight school practices

sistant. George Bergess, and re-AVIATION NEWS . December II. 1986

lines to supplemental, but not com-George A. Ferniny, ADMA secported more fully showhere in this retary-treasurer; Today the av-Durest of same other speakers' curries in stock from 12,000 to 18,-

Bescar Turner, NATA presi-500 different items which are sold dent: Combaned affords of an accoto 2,000 to 3,000 buyers. When incintion is becommating was treatfast contracts have required in a bealthy, vital condition of nonscheduled aviation new yearly for the future. Public awakening of discornà perts and equipment transportation is both gratifysas Surpley Aircraft Materials, DPC posduct can gain unefulness per-Ray Snydes, ADMA presidents a chaptic state wouler to that of ter World Way I Transportation

Wilson Heads ACCA A. W. Levels, WPB, Asserted Di-Eugene E Wilson, vice-shale vision. Essential ervilion aviation. man of United Alcoraft Corp., was consideration by WPB Schedules tieal Chamber of Commerce of America at its remain meeting in Intres P. Murray, Booing vice-

longe to engineers. When produc-

B. V. Trades, Petisburgh Prostreamy apport operator must use all sirport reverse searces. clean up his sirport, direct the

corplane models are the same as

these of vesterday and they had

R. D. Hicks, Continents) Meters

to 24-hour service to dealers in

parts and accessories, thus limit-

trut their areas to a radius of 500 miles maximum from their wars-

James Garfield, chief, Disposal

public to it with sizes, rustall scogenture eryterm, use an adver-Wyo, Port Conference tunner alongs, desplay his merchanwill be held Dec. 18 at the Casper Arrey Air Bose, Caspey, Wyo., at

and show courtour and consideration in fight translag to his cuswhich representatives of Civil Lealie Neville, editor of Arto-Aeronautica Authority, Civil An pros. The health of our national Putrel and various surious will economy depends upon williamen Delorates to the conference will

dross will be made by Col Herbert Morvan commandant at the base

toos, Inc., Babertson, Mo., and Bady C. Mueller, Octobs Arr-oraft Co., Ornsho, Neb. AUTATION NEWS & Describer II 1844

#### Fairchild Builds 4-Place Prototype For Post-War Personal Market

Company setting up distributing organization to handle sales of new M-84, low-wing monoplane, designed for mediumprice field.

A new low-wing, four-place per- rendy is in the post-wer commersonal arrabase is being built in pre- cial market parties; with the C-83 satype by Paccohild and the cam- designed and new being built in near is organizing a distributing quantity as a military cargo plane. post-war ship, Pairchild Engine in the cargo field was disclosed signed for the low-cost market, carrying plane win revealed. The C-82 Poeter is in the \$9,000 pound lotends remaining, for the moneclass, powered with two Prait 4. diste post-way period at least, in Waltney 2010 hp. engines in a

The new M-64 is being designed parable to American communical FF-24 to Be Produced--it also is hing to renew peacetime product the Curnell PT-10 trainer, of tion of the well-known F-24, a which more than 0.000 were built buth-wind four-piece plane which of the Happrotown, Md., plant for 200 his Ranger in-line engine or a said Allied governments. The de-165 ho. Warner reduct. a Stanger 125 hm onerge, indicating

war models as the C-41, UC-61A Personal Aircraft Division-Inand UC-41K. The "K" model to The M-84 prototype, expected sales and other expects of the to be test-dawn in early energy, it ameller-plane field one of a number of models in the

\$ C-32 Breng Built-Farebold elmarager for two other award.

#### COTTON DE Air-Age Education

Air Medicine Course School Administrators is not The College of Medicine at the dation is a moved idea for grated energy to avoiding made-AASA and for industry, is berned "drescov-rood" by fore any effort is made to greate 'a new attitude of nmelaryngology, and Physiology try and Pharmacy at Blances have

#### WASP Training Program Terminated

The Warnen's Airfarce Service

power pool In mid-1941, Miss Jerkaneline Carlyan Director of

h Defeated by Congress-Effects to

#### pay tribute to the WARPS with AVIATION CALENDAR

Box. 12-E1-Front California Aviation Condu-12-Conden Ayundi Tulke Hangura Medag, Marinal Marina Ayunda Caderson, Coper IS-Wright Branton lesson bendun

Nucleignan, D. C.

East Louis Allered, Wer Production and, Heer York City.

Laurell, Way Production 5.15-3.45 Avenue Morging and may Jan 148 AAK War Engineering Assembly Motors, Evolv-Cadillon Motol, Detroit, Miles

Ma Hon-America Heterorispical Society, maked meeting, Ensant City, Str. Jan. 1979—Statemal Assessmells Assessmeller, maked Species, Service Model, Swi-manial Species, Service Model, Swipan. 10-Feb. Implies Arrend Meeting, Date-tale of Assessmelted Director Her Tryk Agest 46—Hanton Lorensath Heeting, for-cing of Assessmelt Engineers, Read Hee-Tryker, Hen York Edy. Ages, 26-12-Alarjan Date-hold Committee. Wind Tower Tests Spin Characteristics Other previously impossible ex-

mend's new agreematical test take

will result in great savings of dol-

priote A 12-tool estunder which

runs up the center of the building

must sere to more than 100 mgh

controllable pitch arrangement on

Synchronized medico perture currents becated at the top and side

satures are securate to within

1/199th meh and balanced by

Melicapter Tests Likely - The

changes in the motor speed,

"Not for Sale" Officials of Albed Aviotion Corp. Cocktywelle, Md., have

periments underestors in new HOfoot structure as Wright Field. Within the 80-foot concrete the Albed Avotion every for ower of Wright Daid's recently News. Nov. 27, that such a ion, peractivite research and Largest and fastest free-dow.

with the company. The Board Allied officials report that the

b Ware Reamest Donled -- NWLD unonimously denied a request of

#### sly-recetly' nerved become effec-Allied Denies NWLB Pay Dispute Report

turned by a 1300 hp. electric

ATSCN New Vertical Wind Townsh: Event scale models of weathy desurple surface of the lower test chamber, the nation net into usech the subjected to simulated flight conmodel falls at completion of a test, the free-flying model plane, and at the too, the vests through which a 16-foot propeller mote wind at ditiges created by up-sweeping

Age. 20 Fa-August Debated Committee.
Age. 20 Fa-August Debated Committee.
Age. 10 Fa-

WEST COAST REPORT L. A. Mayor Opposes

State Aviation Body plan involving proposed comminion's control of poet expon-

of Mayor Fletcher Bowren of Los of trusters endance the correspond planmessy for expansion of Lee An-

ed, concentrate on California's meamon should have as choostives

and private flying: 4) establish-In public articols: 5) store recrebage ▶ Backse? -- Generally enternation sion funds.

Ret with a "family plane," probAn indication of what way have

All to be hall at Wiedin with

Approjes to the recettee of a state . Kalser-Efforts will be rande to exgrested as a project to continue. peace, the activity of his Bickrooed, Celif., shippurds. His indication that he will beare to

> ever some West Coast observers h Harber' Best-Housed Harbes'

hiss end bearing passes with his

ment of aviation mechanic courses > Tragic Beast—Los Angeles taxrevers who seen may be called on easily by the memory of TWA's

Fernanda Valley in which Lockline officials will reducible their expansion, boging it is realized port affers long, unabstructed ap-

IAS Plans Units In L. A., San Diego

thes will be focal noises of West Institute of the Agreementical Sciences will erect regional and cal porris of West Camt good-war aircraft research, Mas. R. H. Fleet, Institute president, made the

propert. A \$160,000 become in nie en Beverly boolevace, centrally located arross the city's Sea Diego - At San Diego, a The building will be at Son Diego's The buildings will provide audileriums for engineering meet-

excited rooms and IAS adminis-Major First predicted that in a research agency wholly spone building programs on the East

speed the Black Walve could turn on

New Type Flores B. F. Goodsich Type 11 De fores for lighters, and they're There are many reasons for the up-

We couldn't go fast enough to find out

... even in one of our newest fighters

We can't give you this speed. We AVIATION NEWS . December 11, 1966

S B. F. Goodech De-less on the

How fast can De-Icers fly? missince. These De-leers are lighter,

vision, Akree, Ohie,





and the Asua beachined, with some surress. The book is related

#### U. S. May Finance Civil Pilor Training

Storden discloses contains also under which 25 percent of con-A tentative federal and program for post-wer civilian effor treming

tetal cost of each trainer who would qualify for a private pilos The plant, outlined in a speech amount to approximately \$350 per mutatutions of college grade as

#### Proposed Changes Surreary of proposed medi-fections of CAA regulations,

Directian pro-way require-

> Everyone recurrence ceding

> Elizabate requirement for plants which have mechanical crearder of flight time. a Promot propose rolat to ver-Elimente rule requiring a

sponsible for making arrangements gwn fields in the cases of colleges High School Program - Burden quotes un estimate of NAVA Execstree Director John Wilson that lests in the country with their own fight trustice facilities. In tension arrangements with oillures. Hovervar, Burden believes

lines of the Waspegan plus which becare of theal flight traceurs as labmeet the cost of such a program, efferred immediate business to

Defends Benefators — Burden cryle less as peticomen flan artitrary rates for areasymps of

Expand B-24 Output Liberators at Food's Willow Bun new Army schedule which calls that of last spring and summer into production and production at the present rate >Schedules Revised-it should be at least until next soring This week will see the 7,009th Libersfor off the Willow Bun line. The More than a thousand design 7.883 technica maniana. Pred re-

mer's more than a million teeling

#### Plane Acceptances Drop in November Bud testing weather, design changes and heliday blamed for

Unfavorable weather for flight testing during the latter part of cuities in bringing new models inbelow-schedule acceptance of sircrease of five percent from Octoschedule on an overall boys. WPR Long Bange Borthers - Production of fear-engine lone cause rier-based torpede bomber and

Planned cutput of these planes tives will reflect undergrably on Commenting on other phone of

the mostly's receptances, Krag called standard bomber and medesign changes One naval reconnamence type was believe asked. tered in bringing a new model

pointed out that countried revenues are made in the working schednearly as possible to production ule in a particular manch is not

AVIATION NEWS . December 11, 1946



CHANDLER-EVANS CORPORATION CONNECTION SONNECTION SONNECTION

AVIATION NEWS . December 15, 1945

short of approved requirements. As an example, Krue cited November production of Beene Superfectrouse which actually exmg schedule by a small amount Hewever, the schodule was roughy 20 percent below the number majotein the activation schedule

#### Lack of Equipment Curbs Flight Tests Delay in contiferation of symbol

pervice planes as Bash Field Augusta, Go., tenced to inudeguara facilities.

tification of surplus service planes artities Authority's new have at Bush Field, Augusta, Co., but are scheduled to supply the equipment and perspensi, but it is understood

this has not yet been completed hood 14 that was thrown on its back because of Inck of finld in a paired until bests are obtained to

b Seven Types Tested-Reveres dergoing tests. They are Lockbeed AT-18A, AT-28 and A-29; Dourles RB-16 and UC-67, both

though some of these are experi-

Surples plane sales penerally are not moving to fast as there were while the sepuly of DPCowned light planes lested, more the bulk of offerings today are in the beavier trainer entedory. \$ 5,500 Sold-In all, approximately 6.500 planes have been sold with less than 40 of the DPC planes out of \$369 remaining Some 166 Arrey planes have been sold. Only

Renamed to NACA Dr. Jerome C. Hunsaker president of Massachusetts In-stitute of Technology, and Dr. Dr. Darand, postessor

hiving been appeared by President Wilson in 1918. He subcommittee on jet and turposed of, bringing return of \$5,700 sporreorgentely \$424. Sorne of those sold are suitable for elider

There is some prospect that ad-Many to Be Stored-Experience in offerings of the primary truspers cates that many will be transferred

pence standpoint the Army to surplus have been of types that fied a ready market.

is relation to the numbers of planes listed. Many of the traceport types theoretically available without modifications and most of them were built either as combat. planet or combat trainers. Mean on be converted sweatually for

#### Visit Pacific Bases

Nine members of the Naval Atvisit major air and ship bases re-

#### fernan (D., N. Y.), Bowen (D., III.), Price (D., Fla.), Welvendre (R. Pa ). Blackney (R. Mach h Ward Johnson (R. Calif.), Grant (R. Ind.). Margaret Chase Segits. Maine). McWilliams (R. Ask Tax Law Change

A second trip is scheduled to

leave often the first of the year

Malone the fest trop are Rep. Hel-

To Ease Conversion The Aeronastani Chamber of Commerce has recommended a come tax procedure as a means of that companies whose war production has substantially could and who anticipate drastic reductions

in corrupts should be given the right ultimetaly to offset assignt they will be cetified under the carry-back and post-war credit Procedured Change-The Charaber feels further that the accoraos a connequence the ultimate

## New Super Planes

cent testimony given before miller by Dr. George W Low-Director of Acremental it, Director or Australia Ada vincey Committee for Aero-Dr. Lewis mentioned specifcolly the B-25, the B-25 and

nel at Langley Field has been deputed entirely to the Roll. He testified too, to recesti-He managed, too, to meeting made in the application of gas turbines and jet propulsion units and mod there is a large

East St. Laurie, Illinois

Are you planning a flight to or through St. Louis?



YOU'LL ENJOY YOUR STOP-OVER MORE if you land at the new

#### CURTISS-PARKS AIRPARK

As pilot of your own craft, you are lavited to use the facilities of the new Curties-Parks Airpark. Our organization, Airpark, honzon, and shops, are at your service. We're to belo you get the graveston use, the greatest pleasure and all-around satisfaction out of your plane. Use our field. It's next door to downtown St. Louis and

When you land, whether this is your house port or you are earoute, our attending will meet you and direct you to "the line," He will be attentive to your wishes and see that any service you want performed is expertly and quickly

You may want your plane hargaged for the night, on exstrament calibrated, the brokes adjusted, the engine checked, or any other service up to and including a complete overhead of both simbor and engine. Whatever your requirements, you will find Parks workmanship expert, facilities adequate, It is our purpose at Carties-Parks Almork to be supe that when you arean take to the siz, it will be with the complets confidence in your craft that only thoroughly efficient and dependable service can sive. Make Carties-Parks your

PARKS AIRCRAFT SALES AND SERVICE Division of Missari Institute of Assumption Inc.

The Errouge, the personal phase declined





#### Geuting Sees Port Plan As Inadequate

CAA program meets only more pressing peeds of larger cities. General Aircraft official declares. The proposed CAA notional airsmall percentage of landing facili-

Aviation Distributors and Morrey

1800 new sirparks, which would thern-will require at least one field for pursonal aircraft. Wants Red Tope Cut-He regovernment red tope which he contends is still bampering and craft, and urged that surveys at

#### Pointing to discorpancies in

New Stinson A new Stirrow plans-the Version 135 - see femons 112 mph. using 83 percent of

of the Stimon Division of war Street Vranzer 136 seel is lighed at 545 feet, landing is listed at 540 pert, amounts well this doct with flags down, Wing spen is 34 feet, facecurrent personal plane market surveys. Genting emphasized the experience of building up the backwared of a potential consamer, subsect of a quantiespairs.

#### his future burned plans Writers Get Short Course in Aviation

barrection given at East St. Louis by Purks Air College in two-course Erroupy after concontrased ground training. A short course in aviation given

magazine and newspaper wroters taking flight training after a concentrated ground achool course apotion and related subjects Fight instruction was in the two-curricul Ercusps, product of Engineering and Research Corp. Reverdale, 344, and many of the

viously having been at the conb Solo Flights-First to solo among resentatives of the Saturday Eccning Post and The Crocago Sun, both of whom had flight time proviously in conventionally con-

expected to man demandrations h Posts Wor Streiffennes - These

took the course pointed up emphotocolly and sagraficantly the spaced of private flying and its tioned, were: Lefe, Country Gentirrran, Mudemeirelle, Scholestic,

tion and Yochtrag, American Assaone of St. Louis carbest surfelds Arr World, Southern Phoht, Dalin Fecest Park, was respected termlas Neurs, and Chicago Herold- norarily, as a persural plane land-

Briefing

For Private Hyers and Non-Schedeled Avietics By ALEXANDER MASURELY A new sad to sailmane priors

lighted ones also. The "Thermal Scotter" as it has been called, enables the prior to determine of what direction he must turn his confine dial on the instrument

\* Prophet Parks-Offver L. Purks customs of avvacuous post-way lems which now harns the the price of automatic piloto from from \$1000 to \$250, since the way

h New Planes on Display-Several ore-war variety, the four-place

Convention Hetel durlays two finish, while a Lauster-Kaufmann hangs from the ceiling. Mereanine and second floors are largely oc-

capied by displays, which for yuness, in quality and individual

#### PAYLOAD IS PEOPLE OR PACKAGES



A most cursory soudy of the Constellation's performance be considered a one-job temaport. Virial/Arr is the word, Interiorwise, for instance, the Constellution is easily adsorted to

meet the commercial demand of the specific mate. to carry as paylend in terms of people or packages or both.

Plightwise, it is able to operate most economically over the specific distance required—whether transcontinentally or an flights as abort as 100 males. Indeed, versatility is the word, Ecoross, sleeper or inser-city local, the Constellation is designed

an appressional problems of the individual sixtime.

## The Lockheed Constellation

Biggot konk-carryong ospacity of any transport

Longest tange of any transport of Fassest speed of any transport

Grantest rate of climb of any transport of Highest causing altitude of any transport

And these performances make the Constitution
the toldrist of any transport

## Leaderships

#### IN LOAD-CARRYING CAPACITY

Lockheel's Constiliation is a big plane—big enough, in fact, to carry 64 passengers and their laggage in addition, it has indepent space for mill, express used cargos. Two conpositions usualing mostly 500 calor feet see available and may be looked and undeaded undermouth they later. Reveuse looked and undeaded undermouth they later. Reveuse looked of approximately 16,000 pounds can be carried with by the Constillation on undeatun-demost operations.



1, n<sub>0</sub>



- A. No Consultation passengers were as allow 8,000 for even if the Mann's abboule is as bush as 20,000 feet
- Q. Why does at take so larg to develop a new interport? A. De addition to beneficity of the seconds of more house of how consumous. Note the thousands of even any made
- O. Tachere a remost for the shorkfile profile of the Constitution fundame? "Two P. Lee Assolut Cold." A. You be earlied discontailing maximum breath for full record presupring cubin. Draw shipper was earther
- Or Venuez the Consultation is a safe strature. Why? A. In the first blace from homeofiel excises many resident softs. The Constitution with CLIMB on any tree of
- Send In your questions . . . Address: Lockbood Alexad: Corporation, Department 69-55, Burback, California

FOR NEW WORLD STANDARDS IN AIR TRANSPORTATION LOOK TO Lookheed FOR LEADINGHIP

Labland Award Contractors, Barbani, California

#### PRIVATE FLYING

#### New Prototype of Globe Swift May be Flight-Tested Next Month

Experiments continuing on earlier two-place craft, while a third-a four-place "family plane"-is reported in mockup By ALEXANDER MISURELY

surject, which probably will sell for around \$3,000, is expected to he flying by mid-Jamaary, officials of Globe Aircraft Corp., Fort

Meanwhile flight tests are centening on an earlier two-place parted in markup stage, but Glabe Dookga Chonges - Mara differ-

metal fascings and players! want wing, on the outlier place. The now model also will be shirkdhi langer, providing more cockurs room and will have a scaled stypes closure to the plentilas correcy.

foot 2 inch bright. A wide landing rear trend. I foot 6 unches, gaves added meanty to landings. The main wheels fully retractable and ing possible landings at 42 right Winzs also are slotted, and set at stabilizer is set at 8 degree dially with a lever like an autome-tile handbrake. Too brakes on the rudder pedals are similar to those used on Army planes

\* Speeds-The Shellt will cruise at 120 suph, with a top speed of 135 mph Stendard crupps is an \$5 by. Continental, although the

A new revised protetype of the duction plane. Standard equipment also will include hattery. storter, generator, fael pump and standard lietrumentation. De luxe fold pressure gauge, and radio and Gross weight is 1,509 pounds, weight empty, 1,000 pounds, wing-

Swift Instrument Panel: Jastr Swift pessetype's cockgit are londing 1247 pounds per square gauge, used when plene uses Rabey hersepower. The plane has a controllable propeller. Plemplar sides of eochpid enclosure can be lowered or raised to make spen or closed eackput







erries, with 26 gallons of fact time of five galines plus, per hour. In Aviation Naws (July 21). type orrafication in 1942, but cause of war-time material restric-Instead, John Kennedy, presiing planes, and currently are

Bendix 'Copter Data Bendux Hebspoter, Inc., has inused new information on what is

Greater Plane Use Through Rental Seen R. S. Robie, weeran Cambridge, Mass. "Drive Youngli" auto dealer, predicts wate expansion

tion Chris talk. Greater utilization of planes Hebr. Cambridge, Mass., veteran Using the estimate necessarily war production model, a 200 hp. have a crusing speed of 120 reph. that by 1960 there will be a mil-

craft. Bebic pointed out that this

colots, and that susurance rates

A plan of national operation supplied by William R. Kenl, credentials good at any member Fine Senting-Bobs products and a rate of climb of 400 feet lion priots and 382,500 private air- that place-renting will follow pri-



NASHVILLE CAP AIRPARK. Tatal expresses of less than \$755,000 are extremated. Accommodes the recovered cornerly would include and the Transace CAP Way, and the State Bureau of courts, golf patting greens, and purking space

ANTATION NEWS a Boweler II. 1886

. NUMBER 14 IN A SERIES OF MESSAGES BY KELLETT AIRCRAFT CORPORATION .

#### "SIGN IN THE SKY ... "

different type of aircraft Regol progress has war, under Government sponsorship . . . and the muceical and markel most in the error fature of

The special fiving abilities of the beliggpers coulife it for many time-avvice peacetime archcucions - . . suggestion conventional sir transport . . . serving and sering in uses beyond

So look sheed and look slots, While sti present

AVIATION NEWS . December 11, 1946

Keller furbries so concessrated on military production, the Keller engineering and and productive organisation are working toward the SEND FOR INTERESTING BOOKLET

show the believerer . . . its combifines, possibilides, and its probable post-war services. If so, send for an interesting booklet, "Asswerrar Some Helicpeter Ossations," West Kelley, Airenit Corrottion, Dece N. Upper Duby

#### KELLETT



Peather-Weight sil-aluminum oil cooken and coolant radiators . . . made of Hydron satruded tubong . . . broard by Clifford's patented method . . . aircraft." So reports the Society of Aeronautical

more than 300 pounds in the other, Chilord Feather-Washts are now heary developed in elliptical and oblests shapes for new warplane models.

FEATHER-WEIGHTS

How about Fenther-Weights for post-war planes? Although our production is 160% in war work, our engineering deportment occasionally finds time to do a fittle lanking shoul. Alough wore in corresponds ence with several arresalt manufacturers who have orented payload, speed, range, obtainable by replacheat-treatable Feather-Weight Aluminum in oil planetre with you? Let's talk it over

CLIFFORD MANUFACTURING CO.



OIL COOLERS Save % the Weight

... some size and thate

Creation of a seven-member. posed of a private firer, fixed base provener. With the execution of to hold provide palot's minus or

plane, again providing greater

ny. He also foresses that business

A questionners met out to write

Indiana Aircraft

Trades Unit Revived

Group, innesive since 1941, worst

Fixed bose operators and other

members of the old Indiana Aur-

since 1941, have voted to reacti-

Pederal sid to resmicipal and pri-Encouragement of landing strips Georgia to Train Civilian Pilots

primary base.

many base, as the united center, according to M D Colline, state school superintendent, who said cation Service probably would be expowered to provide funds for such scirrity after the war, Although the Georgia Deport-Plan to He Discourd-D is fibely that the Vocational Deportmont's plan will undergo con-

chierable discussion. The state through Charman Cody Laird suggested that the state should Laird serried out that the Army Drysush a divition contractor

\$5.500.000 Port Plan For Atlanta Asked

freight and eargo terminal building with radial leading and unloudent max to accommodate 15 cargo planes see proposed. Dual Bendy for Examples - Airport Manager Jack Gray and the plan would not the sirport in a position. to meet "wavry puncelyable demend" of post-war expansion

At the same time, the Fulton County Board of Corporassioners

decaded to start legal proceedings to obtain a 500-agre tract 28 miles south of Atlanta for construction dling 'wonverted B-2%' U. S. May Expand

Vets' Flight Training Remening service men already see supplying a new source of

prior granees at some schools Returned seterans of World War. numbers at some flight training schools, and a sludy indicates that provisions of the "GI Ball Bights," Law 346, and the Dising eligible for this traging man tration field offices 9 650,889 Candidates - Hatemates

erzen expecting to neck post-war under Law 344, are arrowd the five mallion men under 25 years old at the time of induction, of whom approximately 57 percent terms the army. Indications are that approximately \$30,640 will by confiditor for full-time edition tional courses after the war. maximum of \$566 for furtise. of full-time work if he receives the full \$500 If his course is less than 30 weeks, the maximum is pro-rated at \$16,67 per week Inaddition he is entitled to whole. tence of \$59 per month of engle or \$75 per month with dependents. Time Limits-If he completes the elirible for additional years of

While the law provides that yeteress over 35 at the time of inducthat veterans under that use, have

Disabled veteram sackens wacational rehabilitation may perticipate under Low 366. If they also possides training feedities ples ja area.

some would be eligible, at least would france a private pilot's did not continue on through com-Financing-At present rates, it managemen of \$560 a year parenta returned veteron, unless a

her of returned veterans on stu-

dents might nerrange a special ser-

of transite not to exceed the years vaccemen's rate. And it is underour and Research Corp., of Elverstood that some of the colleges and universities operating flatbi training courses in connection with flight training slong with their scademac rourses, to returned vetcrans under the Law 346 plan

> Piper Asks WPB OK On Civilian Aircraft Approval expected on request for

The Piper application was sent eased After preliminary streaming at WPB, it will be sent to the War Manpower Communion for for civilian attends production 31 Piper Cub J-Ts in January and Since the Pears Lock House. WMC approval will be given. Geeen Light for Grammen ... the first WPS surbarisation of its



Model servery for the state of Missouri is heiny developed at Elden. need by Moreov stote emotion affects, as deconstruction of solut a

courses on, because labor it needed in the Glenn L. Martin plant in

The applications and permusian civilian users Heretofooe, some secure allocation of planes from service production through the Manitiery Assignment Board (Air) Other Users to Get Planet-Now

tion. The WPD is not reconverting production through operation of had not been obtained when the

Fermulating of this process will new Aircraft Division of WPS which Henry Nelson, formerly of daty status by the Army at the request of WPB Churman J. A. Krus. Dryggan, has been the work of coatt Scheduling Blatt at Wright not yet finally accepted the direcPrivate Pilots: FLY SOUTHEASTERN



#### Our ASSOCIATE BASES are opening ALL OVER DIXIE

\* Our lab taday is to look toward new hostons . . . and to kuit together a great pattern of small busi ness in the service of aviation. In so doing we render a creatly peopled service to relyate flyers. to counties and receivipalities, to already manu-

facturem and, in fact, to all who are a part of the aviation industry \* The procession of Sporthagetorn's Associate Zenes in the dominant factor in the execution of our plan, which is closule. Each Associate Base eparates as an individual vesselatorabin or company and provides a local management and local enemunity remeration. We assist by suredvine

Charter Flights

similance, sales financing, incurrence and mass Instruction

nurchaster contact. We also supply our maintenance and service incities at special rates. . Individuals who are interested in these franchises throughout Diela should write to us immediately. We also lovite insuricy from manufacturers and

others interested in sales or service. \* Because we have ment many months in the preparation of this plan of Associate Sears, he-

burgues our Associates are controlled by a street pality of competence in their operations, we be-Term that we can say with confidence to the private pflot: 'TLY SOUTHEASTERN)'

Instrument Ratings Sales and Service

SOUTHE STERN IR SERVICE, INC. Preceding Offices and Occasion Race

ATLANTA GEORGIA

Overhoul and Repair

ALL OVER BUILD AYLATION NEWS a December II 1866

#### PERSONNEL.

Charles W. Perelle, vice-occusiont in charge of reanifications of



reaft Plant in Lee Angeles, has been

De. George W. Lewis, director of Aeromoducid Research of the Na-Accountains, was awarded the "Sparet of St. Louis Medit," for menturism service in the advancepours. Other recipionis of this medal in the last fifteen years have Daolitile and John E. Younger.

Donald B. Cooper has been named staff assatzet in the rendjectment ber of Correserve. Before pursual pemelpai linison officer with the Office of Lend-Lense Advenuelra-

Glean Gillow is Western Air Lives' years with an line and extress com-

R. W. Bayls has been named seneral manager of the Allis-Chaleure Manufacturer Co's Norwood Chan Davis was musicant marinter of the

company's electrical department of

E. J. Englebert, director of pervice engineering of Migmon Products Co, kez, kaglewood, Calif., is now their B-20 program. During Engle-Erwin A. Kallerberrer, reconfec-

Cliffon places of Curfins-Wright Co., in 1924, propelling were undergoing the transition frees wood to

Robert A. Goffrey has been ap-

inhor teen. Herri recently on serior

seas assignment Goffney also served Bebert B. Cole. Mouseante Chemical Co. St Louis, vice-president and

John C. Brooks, decreased

Jack D. Rorbes is eastern division rales manager for Latternee, Jac. Beburt Marteey, sensor acronastical

enmean at Dorot Air Lores' conral maintenance base at Cheyesae, nucrtisarage of agentit radio and

AAF resident representative for the

PorTelo and Kenenare plants of Curtan - Wright Col. Thomas A. Marphy, 4 produring execu-

lend Co, then designing the first chief impector at Sperry Agreent Corp., and Consolidated Aircraft eral rumaner of fifthersicy Agreedt

Deep Swiff, formerly of Senttle, anreceives the opening of offices in New York City, where he will represent the Western Gray Works Warden Green his been appointed wood and Vernon, Calif., and Western Geor's associate plore, the Pa-

> Harry W. Hahr, recently plant manages of Day Cost Corp., Warren Manufarturing Co. in Glemiale, president in charge of ecquaeering Marralecturing Co., Vernor,

Walter E. Jones has recurred as Division of the Way Production properedative for the eastern proas vice-president of The Mergel

rd by the National Agromatic As-

seen Excedeste. vade Sying or-Cie. Mexicons do Aviacien and the western division of Pass American

Arrears, before the come to West-Col. Bryand L. Baufaer has been

named acting chief of the procurecircles; arriers, a function previous ment discuss in the Air Technical AVIATION NEWS a December 11, 1944





WAR PROVED IT WORTHY FOR SKIES OF PEACE

Designed as a peacetime transport, the original introduction of the Curtics Commands was interrested by war. It become a military aircraft to fly millions of miles under the severest conditions. It was constantly improved in serviceability and dependability as what constituted a continued and functorbine shoke-down test, a.a. Today. Curtiss introduces the nearetime version of this tested and proven assertion research atridane. Birthly appointed for passenure appeal, the Commundo, with its powerful 18 cylinder Wright Cyclone Engines and Cartiss Electric Propellers, is the world's largest twin-engined transport. It must a definite demand for larger navioud, regater reliability and reduced ouceating costs-sits performance being particularly outstanding on home up to 700 miles-a rease that accounts for over 90% of all domestic air travel. \* \* \* "Look to the Sky, America!"

#### Curtiss-Wright Corporation, Airplane Division, Buffalo, New York. \* Low Bidder for Tomorrow's Air Commerce



Commands assurances rule as walch marred. Toiler facilities of the Certic Commande temperature in kept at 12' with a complete in pre-nor planes, in addition to the other criting plus entrudeal reading lights that necessary stems, plus benefice with alletion standard (Bernardon on a 22 both on, minuted make an agence, feld learth garren



HOWEL VESTBLAZ AND STEWARDERS CORNER Opposite the entrance seedfole which pro-



west, petaltus clearly rape, will but ments shift - a velocity regards that he he



at Wright Field, Ohio Calcool Best-Gen. Orval B. Cook, chief of the procurement division, who is on a Edwin P. Stabl has been promoted to

Randle Co., Minew Hart De corre

bry-Raddle School of Avention, Mi-

E. Hast bus been promoted from station, manager at Bangor to su-Purtland to stotion manager at Bonger. Aftert E. Wymon has been hand and Jarris A. Bichten from agent at Boston to posistent station

Joseph V. Carmichael has been cast A. Cover, miled recently in a that Ernest J. Englebert will be ager of Dougles Agered Co. Inc's. El Herundo plant, At that alors be

Vallee Arreadt Corp., has been named operations ramager for M. J. Merrill has been named head

Mitchell as chief maneriae Mervill and has been a Conver mapecter

AVIATION NEWS & December 11, 1984

current operations analyst for the was appointed charman of a new Corp., at Huffith, has become se-Serving with Still is Will Williams Granger and Co. Price to affilia-Politics A. Hewless, representative

John Edward Schemen, fermerly hereintings of General Motors Caro .

corrected Harrier C Table persons Blowlett, while O. E. Mechan, mereft, Inc. in 1809 as vice-president Fred T. Miller, customer service

H. W. Crowther (photo) is system and Wroters Arr,



Dr. Albert E. Lombard, Jr., has been

former post as special assistant to the director of the Accordi Besources Control Office was an nouseed in Aveanous Noves, Nov. 13 Laurie McKeehnie has been appointed firector of public relations for poofing G. M. Brown. McKechnia

RCAF public relations farectorate William McCray Singson, formerly stress analyst for the Sente Montes the University of Kennes Seminen was instructor in structural design

George Hamm, respected of the Konans Criv Dutract of industrial cond-Benald SSR, San Francisco regional

of the San Francisco chapter of Jurasa C. Walson has been appointed in avoition, Welson jouned Bossion to TEST on eastern sales managers. He was a pilot empirer for two the BAF. Websit was sales such

ucts Corp. Burhern appointed cian Hn apbydreadle specialist with the Profile

Litut Oct. Junes H. Bostitile, comcommunder of the Babili.

Charles A. Wight, vice-president of Bankers Trust Co., has been elected Gillies, who has resigned as a vice-

Capt Charles J. Moore, Navy offices bus received the Legion of March Nevy for Air Arterian L. Gates. Brig. Gen. W. R. McReypolds bus

surgesed the daties of Air Quartermaster in the Army Air Forces. He functions and supervise technical operations



fere cockent ellumination Nothire less been mared to ness tile the forest flight own-Curtiss Commando

\* Low Bidder for Tomorrow's Dr Commerce

tible to tilet and carelon.

Night and untraspent their

DN. CHISC MIT OF CARGO

#### THE AIR WAR

COMMENTARY

#### New Navigation Aids Presage All-Weather Strategic Air Force

U. S. and British release additional data on precision instrumeets and techniques developed in last three years; round the clock bombing of Jap industries forecast.

Another reft in the murky radar. Interar mucht ettacks on Bertla It industrial sections of the city. This strument payuntion of the paththeir target, dropped colored undithe clusteric it used to be At that now, a year later, a certain amount of unformation has become avail-Supposes proves of wir stages > Bad Weather Bombught-From the impairmation. The state starks the reducted description of the created this and tighter exposition. racknamed "George" (when the > British Developments - About George do it"), the American verson of the everonst boesting \$.000-ten right assaults on Her-

According to the well-known principle discovered at least a cuarter of a certary are when the Pacific ATC Wing had been perfected by misses canginal was raised. Mickey period of two years. The first pathtransmitted radio waves whath to energian in Aurust, 1942, the homber, every an outline of eities. "scoue" and require expert interclaimed that for picking up a par-

roughly between Moreh and Sep-

beenburket used in clear daylight Descriptional Use by AAF-The on Sept. 27, 1943, when some 160 countal memors on a \$59-mile round

recovered Bed weather pretone. Eurly in January, Man Gen the 4th Bomber Commerci and the daylight tembers to sinks

to the Fifteenth Air Force in Italy, and that it is not evolved to daylight operations in bod weather, but that regular might the bembers to bit war industries of significance are possible news for Tokyo,

#### Hardin Commanding

Bur. Gen. Thomas Hardin has Francisco General Hardin Res ing the hamp reached its peak-He will have as everytime officer Cal. Richard Fell who was with

Air Transport Advented to membership of Audi

RECORD without precedent in its field. Elegant testimony A from industry leaders of the present need for a replication devoted wholly and exclusively to the specialized needs of air transportation

A RECORD of unusual significance because (1) circulation is carefully confined to sirlines men, executives of sircraft and parts manufacturers and civilian, military and government authorities concerned with air transports and become (2) Am TRANSPORT'S subscription price is \$5,00 a year in a field where \$3.00 is usually top.

Discerning aviation advertising buyers recognize the power of this circulation. To date, advertising buyers have placed over a third of a million dollars of advertising orders in Aut Transport.

Corer All the Stees Not . . . . AIR TRANSPORT + AVIATION + AVIATION NEWS McGrow-Hill Publishing Co., Inc., 520 W. 42nd St., New York 18, N.Y.

E. R. Ferguson, Yurn-President. ing, instructive and theoreuchly works

O. H. Master, Fire-President, Ameri

on Aritary Jaco "I commend was

tire manner to which you have up

E. S. Garrell, President, dir Trans

Congretableson on AIR TRANS

PORT. Hore rayond reafer it.

William D. Street, Street Research

Cara.; "The offerrish and very co-

reliest married throughout the man-

policy which may well be of value to

an consequence industry-printing!"

Expend your copy of "The Buildon of Our Swifted Grands ALL THE EASTS IN THIS PROMILE

AVIATION NEWS . December 11, 1844

profer building in a factory him in the China-Burma-India

Mickey is a match for the Norden

AVIATION NEWS . Bereither 11, 1866

#### FINANCIAL

#### Beech First Plane Firm to Shift Into Non-Aviation Production

Company's entrance into home construction field may set pattere for other aircraft plants sourching for substitute item to turn out for post-war markets.

Corp. into the home countrarion turning in other directions. The field represents the first targible effort made by an alerradi builder sircraft p.oup may one day fallow to utilize its resources in the manufacture of a non-avistan. Who today would guess that a One of the chief reasons why garded as having poor post-war boles from 1880 to 1837. It was years of the period ran into a ton to the huge production facilistrong of deficits. It decided upon ties avedable and keyed to warinfated needs. Even the most peagreater than the levels obtaining from the production lives once prior to 1829. Nevertheless, ever-

Pretrigger-A way out is beour a similar period in the past leved to be in the application of Nash-Another case is that of the Nich Motor Car Co. The curaother manufacturers A wide veryfested with cash and dwindling sales. The founder, Charles Noch. anoment skill. The result: Nuchbig stumbling block has been the The farmer was short on cash fair with Dyssaxion Dwelling Ma- courful product and messgement ingenuity. The combination chines, Inc., who presumably will with supervising the building of

Percedent-There is ample precodent where successful transition There are many other cases on been rande. The automobile group, at the outset of ris history emoved versification to other reeducts. have been attempted with a high present day aureraft companies The penetrents who pertend

contraction took place in the in- tor capacity than orders. This may either industrial fronts,

be true but it overlooks some vital available for purphase on natufactory terms. Obviously, plants the undustry, rabulantial amor-

it is probable that the sircraft builders will show considerable themselves with freeen saven-

distribution is more probable with every effort made to function as Pottern-This may will be the

sviation business Scene may diversity in other directions as an All this represents chaffenging ers. The industry has shown remarkable imprausty in meeting ever deficult production posts.

Storting from scratch, a tennenfour expansion was successfully accomplished, much to the surpleased by the approach builders in their best stock in trade. This with ern plants, slong with trained per-

### "MICROMETER CONSCIOUS"

in the quantity production of minute precision parts

Forty-five manufacturers of major prominence now are relying upon the micrometer-conscious Wadsworth Small Parts Division for scores of parts so minute and precise that their quantity production is difficult or expensive for the average plant.

Ar Widtworth, such recolection is customary, and meets the highest critical standards.

Here, a unique machine serup and workers who alial precision are increasely associated under one roof. They conseilure special operations to many pieces and carry others through in their entirety, in great cuantities.

We welcome conversations with all companies who tazend to be postwar factors in their fields and will be glid to discuss the metter of applying Widsworth skills to your special needs.

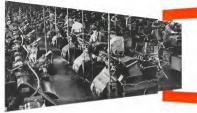








and come to but one conclusion: builders at no disadventage in its there will be more already builds, vading the intreached markets on



OFFICIAL INSTRUCTIONS FOR RECONVERSION RUSTPROOFING

are contained in Ordnance Specification P.S. 300-4. This deserves your most careful consideration.

#### RECONVERSION RUSTPROOFING

Texaco Rustproofing Products Meet Ordnance Specifications for Application on Government-Owned Production Equipment.

O RDNANCE INSTRUMENTAL OF PACKING AND MARKING OF RDNANCE Instructions for processing, production equipment, as contained in Ordnance Specification P.S. 300-4, are extremely exacting.

To meet these specifications for processing machines, precision tools and other production equipment plant operators must use Government-approved rust proofing materials. Texaco rustproofing materials meet Govemment specifications. They are easily applied through the medium of brush, dip or spray, and provide a protective coating that will assure the preservation of this materiel for years. No matter what your rustproofing requirements, get in touch with a Texaco representative through any one of more than 2300 Texaco distributing poiots to the 48 States, or write to The Texas Company, 135 East 42nd Street, New York 17, N. Y.



TEXACO

**Rustproofing Products** 

AVIATION NEWS & December 11 1866

AVIATION NEWS . Devember 11, 1844



Released by the Army, transports like Chicago and Scothern's "Chy of Lattle Rock" are house reco-

The use of Pitersias XM-FF, sound absorbers studed, effects a weight award of 50 years's on each 21 resurrance plane. In addition to its high count absorption, Fiberrilas added wright from accompletion in the inner liveur of the ship under conditions of high humbley. It is In other forces, too, Fiberales is serving the military Still other types of Piberska teatiles are learner. really and electrically important characteristics. movely streng, Historycashs, easily formed struc-

If you do not have complete data on Faberalas in in verices forces, write: Ocean-Corning Pifergles Corporation, 1892 Nicholes Bldg., Tolodo J. Ohio.











**FIBERGLAS** 

#### PRODUCTION

#### Constellation's 5-Yr. Development Described by Lockheed Engineer

Results of exhaustive design tests will find extensive use in larger pose-war aircraft, C. L. Johnson tells Institute of Aeronautical Sciences in Los Angeles meeting.

By SCHOLER BANGS Countellation design objectives true, not our change has been pilothouse windows. As has been facturers, the Constellation's orugatended by 400 Institute engineers were studied in the appearant to It is his belief that use of hyco-pilot was abundoned, describe its cellest visibility, in consideration

Wind Toured Tests-He and rive use in testing of future de-Perticular etterdien was given to spin recovery tests, made with a

a steel model in a high-speed Johnson said good results in leb-

Fixterior Design Retained -- He lating actual fight conditions, and cited as an example the fact that,

since the test flight of the proto-

AVIATION NEWS . December 11, 1944

Scrap eleminars to beginning to more in heavy quantities from average

regard draws at Coreo Hage, Cold-

of the succeptibility to cleartro-

phobon of some fight personnel as

b Passer Plants - The audience

Main Design Aims Lockhent's Coutriction was speed of 605 mph, C. L. John-

his Los Augulos reidress before Quek recovery from a speawas a raspor design decreased predicated on the ever-present combility that even a large Johnney's strong support of

the Constellation and reasons for heavier 2000 hp cogue when 1600 he regimes would have suffered. He cited the need for a com-





plants to open storage depots proceeded by the Army and operated by the Metala Reserve Co., RFC aubistiony. It will be held in storage for on indeterminate period. Other quantities will come from scrapped garpower and markinery are available. Photo was taken at the Northrep plant, and the sersp will be shipped to the Air Technical Service Com-

ATTATION NEWS a Devember 11, 1944



A-N SHOCK

MOUNTS MARKES A.N assertant shock recents are reade. In two types, steel and conform to the joint Army, Navy specificapose AN I-18 and drave-

They have been approved by AAF (Wright Field) and are used enterelyely average manufacturers. food rations in all stand-

Wine or write for bother details

fuel consumption of the smaller eretage of newer output. The larger engine, operated at a lower percentage of power, offered a smaller nower plant indicated a Pael consumption of 9 56 lbs /brider commany.

Final adoption of straight, frontal ventulation of engines, and intake to coherent. Prior to the assembly, two full-size units were b Hydraulic Central Boost - No-

successfully to daragen control In the cerem of control boost Advance's address will be print-

terested airfine officials New Type Fairlead Development of a new type of rubber, which is supped total

in the conventional measure, is reof Chaveler Corp. R is being manufactured in the Chrysler It is known as Cycle-Wald Sasp be installed in tea to 30 seconds conveyed to two to ten minutes for

the removed M.S. room true of fair- and wear, newly developed by the tend made of holted physical large. Cycle-Weld division of Chrysler. At right, cable to passing through Allow It Works. Two tiny rabber a rimilar hole of a different type AVIATION NEWS . December 11, 1944

strips which serve the dual nurpege of halding two companies. plastic please together, and pro-Several burdeed furdeads are used in guiding operiral subles in addition to sover in weight and tests has withstood more wear

De-Icers on P-61's

Disclosure that rubber De-locu wing-edge see as the tabes expand Arrenautical Division of B. I One of the dubters on which the

De-low are being installed, after Black Water night fighter. The h Tested on B-24-Podler said the Cornectificated B-24 Laborator which



left, cable goes unto the hole unth

BOMBARDIER A homborder's tesision is not easy. It demonds into days and rights of intensive study and work. That is one reason why American bombordiers have made such excellent scores over enemy torgets. Since 1940 most AAF bombordiers, and a large percentage of our country's novigators and pilots as well. have been trained in Beechmafts. The bigh regard that these officers have for Beechmolts is one of our most valued assets.

ALTERNATION OF PRINCIPLE THE PARTY TO PRINCIPLE AND A PARTY OF PAR

#### THE FAR EAST

#### Frontier for American Enterprise

TN THE great tradition of America, our freetier his to the West East for a United States that strategies from bisectly realisms of our young men are in both samuelose and moissing. Accomplishment of their objectivethe defect of Japan-will not end our we meen to see the venture through

erty that is offered no promise of rebel-

world, the encount and rabber plustes. It great above of the owntal goods de-And yet, this fabration reason-with do riches of mangement and rea mateas reach as 85 per cost of the popula-

less pullborn of its inhabitents, and will

the solveton of the East depends, we The possibility of a world market for second affect to agrees. The Tristed Indic's drawing-based plans are equally expensive According to the on 1865 feeler, after the war, will re-

savon years will be in the face of an-We shall find susselves, at wor's end, ing, roadinakhun and power station Japan, which for some time will not be substitud Affan, Dreet Festule and needly in a postpon to supply that control to expert more expital florarenken requires that we consume that Unded States will stand alone as the A Chinese ecceptual has estimated that Chine, in 1807, had a total mductrial capital investment of about \$1,000,000,000 in American values, or

900 a year over the next 15 years, of

is new recen than \$600 per cupita.

What is equid mean in terms of

East's potential demand? What was

now of the differdanc standing in the has been an endown places to count- stock, the For Eastern market weaks yart three lines 500,000 tons of steel o

to first amorance that personal opporprovide a hottomiese pit ento which even pacety could be poored with room Chan, shore, with its teeming population of 600 radions, has specied out

For East. The windows of doing so has Hustness Week (Fabruary 5, 1994) gusplements Dr. Bun Yut-Sen's spacions first estimates of the requireselling them manufactured ertiries which one old has emilied them to current Cuinese phicamet-25,000 locu-It is only four to my that such a manufacture conches, 20,000,000 tons of stock and 98,000 power charm ranchine

year, for five years, to add 12,500 miles

which, 1500 900 telephone

From 1700 until 1890 the foreign France 1859 through 1999 the posture centage decities in manufactured goods

budget, so great was the recrewe in the century from 1838 to 1858 that

or than suffered from the industrializaten of the United Bister, and it is equally clear that we, m turn, shall ther evidence is provided by Consols which, with its high industrial dovel-

thoroughly justified that the best lunes But at is one thing to city mountainous countries will be to our advantage on

In all formers, I am forced to stoke my conviction that the road is longer On the other hand, it is possible that our own long process of industrialisadue conserveture Ideas, once thay

In an interesting recent study of The International Lober Office, it is suppostlots 1930's was not dominator to that of Japan in 1908 Between 1809 and 1806 gesting this on a librity possibilitie, but rather so a creation less we, in the markets, we collide, head-on, with the exitable density for the Austin on In the last applysis, the dimension of dollar exchange at their command, ob-

to us, with the ellowance for reality

that the bolance temporarily can be

velocental losse There is Elfe orang

that evertually will increase the ex-

porting expection of the countries to problem of mercaning our imports from

by 1802, the total associate of the For-East anguarded to secrethen over \$5. 000 in foodstaffs, a little mere than actured motoriels, and better than Despite changes in our technologies encyley after the way will receive a parts, but only if it is an accepted pert serented to supply, but it will make the

because with those who will not out

likely export opportunities But the Both East and West want loave to



Instrument Panel - DOUGLAS BC-3 - Scores of AN Fittings

#### "AN" Pipe and Tube Fittings

Leading aircraft manufacturers have found that Grissell's experience and production facilities source an arhedate delivery of up-ta-standard fittings. Let up know your requirements. We may be able to nonply the fittings you need from stock. Write or wire.

Grinnell Company, Inc.

#### Cancellations Curb Fairchild Sales

Production shifts also a factor in ductine in shipmones for 1966. ing places and engines and shifts

J. Carlton Ward, Jr., president. been considered advantale to take in the form of cost-placen-fixed-

shild to convert its cost-phasesbasis as promptly as practicable. share correson psychile Dec. 23, to stock of record Dec 12. The corpossition paid its first dividend of \$0 ocots a share on Dec. 16, 1943. consideration given to the conchade exemplacture of surplanes by

h 525 868 000 Could Arrenaud... lation V revolving credit of \$35,-Loans under the credit will be marganised to the extent of \$0 per-Oree percent interest A commitThey are Benkers Trust Co., Chase National Bank Bank of the Mun-

#### Plan Packard Test Unit at Willow Run Allocation of \$725,000 for project sporoved by DPC and additional great of \$100,000 is now being

Permanent sireraft engine flight Parkard Motor Car Co. at Willow Run Army Air Bess will be built sarder Defense Plant Corp. susporcs. DPC has approved allocatave of \$725,660 for the product and an a fulfriona) \$160,000 grant to new being negetiated. The new build-Announcement of the project is believed in informed circles to refact the Army's intention to meintain the airfield at Willow Run as

the momenth Ford bomber plant

will be regincered for standby air-

Furd Pregram-Ford Motor Co. tion of farm machinery and has offered DPC \$99,000,000 for the plant, reputed to have cost in the that the new project "need not be considered a temperary Package operation in the aircraft engine Rolls-Rores Mortin corriges of Musome and other warplanes

Packard at Willow Run will give Prince Engles Development-Last summer, however, Packard Taleda division. This division is runes which will be installed in planes and flight tested at the Wil-

John Statement-A joint state-Percental, Under Secretary of War Commission, and Robert H. Marchlow Run project. The new alloca-'blanties the tax treatment of

by disclosure that immediate ex- for is now in a position to decide perimental work will be boused in definitely whether in the light of the Ford Willow Run plant The new project, to be built at utilize the po cost settlement prothe east and of the Willow Bun centure to dispose of his buckley modification sheps for Installation continue photographic families to

World Way Before the start of this war it was brought into the Sault-cooled engine production Griffon, strengthening the behin types of advanced, Equid-cooled models for war and postwar pro-

Tax Ruling to Speed Contract Settlement Recent ruling by the Commissigner of Integnal Revenue clarythe settlement of such contracts,

industry observers. The Communicater's ruling duct for Federal tax purposes any given to these stems for renegotia-

PRESSURE GAUGE

The no-cost settlement proce-

dare, where appropriate, would simplify the contractor's settle-

ment positions, since it makes

The joint statement emphasizes

the apportance for industry and the contracting agencies that the

feat of either Germany or Japan.

P & W Schedules Up

Kansas City plant have been re-

More than 1,390,660 harvenower

Kansas City plant, compared with

more than 1,849,000 in October

L. C. Mailett, general manager,

an additional 253,569 barrenawes

over previous corresponds by Ma-

veceber, 1845, and maintain those

1 4.000 Weakers Needed-Original

In August of 1945. Mollett said at

least 4.400 workers result be added

to meet new schedules in coming

Engine manufacturing schedules

fling of detailed claims.

Installation of a pressure pouge on gilling of engines before their this tiol start. A correct ressions on labrosted The gauge can be ex-

#### TRANSPORT

#### Eastern Air Lines Recommended For Great Lakes-Florida Link

Examiner asks certification for 595 new route miles from Columbia, S. C., to Detroit: urers Board to extend Delta Corn's system from Cincinnari to Chicago. By DANIEL S. WENTZ II

The Civil Accompanies Board re- Bassales, Va. Casrleston, W. Va., cerved recommendations from its exeminer in the Great Lakesriers. Ecuratory Boss I Newyores Eastern Air Loses for \$85 year

Correta Barton Sarvina

system from Circinnati to Citia network of ractes between Murra Areang applications Newman

American Airbres, Detroit to Colorus Airlines, Detroit and Chings to Mismi Parts of Delta's spullestion for

Englerty's request for a Norfolk-National Airlines-Jacksonville

PCA for various routes between Miani, Chicago and Detroit Southeast Arrines, Inc., a non-Norfolk and Contrasti. The exarriage recommended that the State Airlines, Inc., for a lance

emtern of routes between Detroit feeding that the authroat was fit The examiner polated out that

MATABLE CONTRACTOR OF PARTIES AND THE

In addition, Eastern's processis

required by the public consmaller expenditure of equital and addition of personnel than those

can and TWA eyes the route was

\$25 Million PAA Financing Proposed

Spockholders to your early next year on underwriting agreetrees, approved by board with Atles Corp.

stockholder's meeting schoduled

of the split-up shares of the time

of offering, probably next June-

two-for-one basis, stockholders will be effered the privilege of price of the unit of one split-up ATC Operations

Army's Air Transport Coreroutes, Cal. Birold R. Harris. cago. Other ATC statuture refirst maht months of 2944; one intairly in curry 8,000,000 can-

vs cantal funds, with nearly \$36.b Radified by Beard-The board of The depetors also voted a divi-

dend of \$1 per share ravehic Dec.

SUPPLIED T. N. Y

cash fee for the underwriting.

con retain 202,000 shares, epuroxi-

Maldy Northeast Stock - Other

by would seems menty \$34,000,000



HIGHER AND FASTER WITH FEDDERS TERCOOLER They my being America Accesser place meanderhouse deliver AFTERCOOLERS OIL COOLERS PADIATORS VICTORY as quantit from throughout the world

At Discount or her Purcha FFDDERS

#### AIR SERVICE TO EUROPE AND THE EAST

Econoliticamental de Insurationa TWA Associator — undo ST descriptora de Insurationa contra del anti-Aprohil bearing carries to Europe "when your to produkte" during Egypta algorithm repulse rate and "deferred" express at few cases for delicity in Europe within the days. Pengup passagks darper serves

fundos espena chipmonto el entre

TWA MAPS NORTH ATLANTIC SERVICE: This advertisement, ram in 23 papers in 24 cities by

tic hearms, the ad to be followed by others of a Tremposituental & Western Air, owen a limit of what soniar type. The statement that TWA is 'ready now" to the 6-engine Strateliners from the U. S. to arrest the Atlantic and beyond. The projected time-Calcutta brought peod-natured banter from other table, complete to flight numbers and elepsed time. errimon, but TWA contends that if worthing restricyor accompanied by a warp Based on information organizated at Civil Aeronautics Board's North Atlan- start such service by Jan L.



tions seem removed, and it had a certificate, it could

AVIATION NEWS . December 11, 1844

SENSENICH

Write

MELFLEX

**About Workers Safety** 

MELLITY PRODUCTS COMPANY

ANDON N. CROO

For Cargo Rate Cut WAL vice-president Welfe swe surplus Army DC-y's could operuse su 22 cents a ton-male. Repeated insistences that sir-

SAE Told of Need

rate, \$850 earro volume could be 333 avrelance and 11,000 cm-

pleasured of 23.668 to air carm Adiscentia Lancattar Handrigal Adenti, secono, Pennsylvania - West Core Brook operations slave F Conditional-Use of the DC-3 to means of satablohing a fullfledged air cargo industry . . . is

apparent under present circum-Cel. Harold R. Harris, chief of

MELPLEY Products me the Impled scholing to provide at a second colony in plant and "it would speen that CAA housetioes are too conservative. The use this plane at a normal takeof takeed's have been made at

> The meeting was given insight tone. Inc. Whale present pick-up units have a 60-pound especity, he rapority. Ideal plane for this POne-Ton Units Feasible - Parks

revealed, in which the glader tow pick-up rope for a repeat opera-

the between San Prancisco and lead westbound has been 27,838

In the light of Welfe's remarks. stion a recom, francistly and otherwise. It has seven "cargoscend more requily and make few-Hroader Schodaling-Departures at hours that would be known-

faster ground landing for passenger-cargo fluckia. More than 1,000 stripping the planes for eargo service, on operation perferred at Craddick and United new handies on its all-curgo fights 48 to

CAR SCHEDULE Hen 13. Exhibits due in South Adaptic out-

cording due (Denker Eff et al.)

If Oral organisat is the Washington Chieve-Chi Cold to Please man day (Touber Designe the exhibite in the Poorly happened from the Hi.

If Friedrica West Casel ours for
Doubly Set of all)

If Dysamony analyses on applies
unto which the property area of Vegicle
Local Caroline, South Caroline Chropita Behaving exhibits to Pueble case for Park B. Marrier In the Partie man below Exercise Sent S. Servinger (Decide to) of all and Contains hearing dies for Horiz Contail new (Darlet All et al.).

12: Transitive hearing this fill investigation of the electric day of the contains the services of the contains and the services. U. S. and Spain Sign Biloteral Air Pact

possible for exercises of three Beard on last summer's "arrecwork by a CAB-CAA technical musico, a bilsteral commercial.

Representing the point effort of State Department, final regotiations were expedited after withference. Presence of Spain was cepted, as one of the reasons it parley. The Masow radio pointed out that "countries like Sexteerland, Purtugal and Spars, which pro-fracist policy bostile to the yord" This was followed by an

negotiations already under way

Firegred By CAB-The new part bifateral negotiations for commeroruginal U. & attitude of the Chicare convertier, where first when-This stand later was relinquished when conferees falled to agree on the degree of freeders to be necorded interreduced air transport. The agreement with finers officetive Dec. 2, the day it was signed ister Jose Felix de Lequeries at hanned from Near York or Mison

through South America, West Merocco, to Seville, Madrid and and points beyond, and return on try will designate its own carners. AVIATION NEWS . December 11, 1944

Paints of agence for Scomish curdetermined by further moretintion when Some is reedy to bottom

There were reports that the first operation from this country to but ATC officials desired this. No

TWA Crash Inquiry Opens This Week

CAR impresses scheduled to start bearings in Lee Angeles in socidene in less than month.

pudgreent attributeble to thick presching Lockbeed Air Terminal to have an acceptable orders at on course, with no radio report of sty difficulties, the DC-3 started





THIS SOLVES

OUR PROBLEM

ON POST-WAR

PRECISION PARTS!

Nam McGRAW - HILL Amintion Rooks

THE COMING AIR AGE

treshed near San Persando valley horses Copt John P. Sponden. the relot. Thomas L. Bemberger,

see them down at the location of the 10 days on accident. Available information. approval showed that the teo of the San Pernando vedes overcent was at CHMATCLOSY cellent view of mountain land-By Sarahard Neuronte and Penns III, dump Security Proposery of Mitterwoods, Residente of the Associate of Printendings file pages, 5 of S Salary and 55 by Dye is a designated tractions of the pro-nagino of disserting, and the distribution of the disserts of the next Polymond extent and war-ting is more not ligar have been stronged with spend absorbed bring page in Experient strong factors of eliminate spens (leve had the bests on \$2000, or to distribute themselves and the section of the contract of the contract of the contract \$2000, over to distribute themselves and days as Nov. 4, in which another Sun Francisco-Les Angeles plane du-

he P. M. Carreled, Brents of Argelia of This book gives a section begind personnels of the store by which critics will cover as in the memory. The mercuel include dependent of the sections state, both technical and formation, and the subsection is the section and formation of the

The codesity while the may ends gampacke if the contract of th Feeder Airline Case Opens in Boston AVIATION OCCIONARY FOR BOYS 15 of original 32 applicants out

of rare. Saturday gradiens may be held to exactive proceedings A distinct to be being a condition of the condition of th Eighteen of the original 22 spline care began last week at Bon-ESSENTIALS OF AIRIAL SURVEYING AND PHOTO INTERPRETATION Fellow Abrass, Shows Ether al Asset Save Say, 150 charge and Party Save Save the Mil paper 2 at 150 charge and 150 charge and

Front todallor the many naturality lecture and deposits of the many accounting lecture and corresultiv regreentatives, an-Man; Newport, R. L. New Bedford, Mass., Montrelier, Vt. and WALL THIS ON APPROVAL CONTON lenial Airlines, an applicant, who that he that my m 7 m : m found me the break absolute for 12 days' restricted on asserted, in 17 days 1 with the call back that the seem periods or define form polyments, (Pressy result or college) C Resemble and And to-Otto-Chap C Resemble and Smither-The Drades Air Age O spraw-denotes of Artic Screens and

> get it, "they still must have an Proff & Whytney 1455 by Tayr. h Additional Carrier Proof - An. Warn engines furning Harriban echo of the Boston-New York care

cute need for "an additional curlater. Fifteen other passengers Colonia7's application was deried James P. Wilcost, mendent of Page Airways of Rochester, N. Y. lar stack your. Wileast told Hornintegrated at 19,000 feet, presented Bullalo and New York and Bul-P. TWA Course! Testifica-Merry P. Beyone Transcriptoretal & West-

> question whether they would be Arnery the factors believed to 14 of the original applicants are become avadable, and CAWs

> quiry into the accountried ex-

NEA Orders 3 DC-4's

Contract has been sissed by Northeast Arrines, Boston, for three 60-massenger, Syst-engine ders, sugged the content in the soles marager, and Bay C. Poote, attorney, representatives of Douglas Aircraft Co, Collins indicated Nurtheast contemplates purchase of six additional DC-Vs. if rending applications with CAB for turn" and warned of a trend 'to: Fravored for N. Y .- Boston Routemeetic use they regard the DC-4 Boston-New York route which wined arrive but if they carred next serious.

AWIATION NEWS . Deputher 11 1866

AIR TRAFFIC CONFERENCE ELECTS OFFICERS:

New officers of the Air Traffic Conference, elected recently in Washmaten, are, left to right, M. B. Fry, assistant traffic viscoper of United Air Lines, president, Willis G. Lipseows, general traffic surraper of American Airônes, frot once provident, and P. J. Carmachael, peneral craftic and cargo manager of Communital Are Linea, second more pressstores an from Arst stee presidency to succeed Charles E. Beard, of

DARNEL CASTERS Built-in quality assures a long life of officient serrice-it was to Deward Denell Dependebility

> DATHELL CORP LTD. LOSS HADY & CALPORNIA 34 N. CONTON. CREAGO A. BA. \*\*\*\*



Aug 21, induste that, despite Considerably increased costs of compared with \$116,797,899 to

Free Best Mon

was best man at the wedding of Cal. Kitott Rossevelt and screen on observation station on the rim AVIATION NEWS . December II. 1844



City and State .....

HORTLINES Lines The flight was made in mid-Marcocker between the United Kingdom and Montreal by a Lonexpress to man aris to the curw. National Arrisace' application to have its stock fisted on the New under consideration by exchange

trans. Atlantic persons under conservice. Other deliveries, to comcommercial passengers and ship-The Meteocological Committee of begun publication of a quarterly

ean Report Airlines will operate in

operation Volume I, No. 1, contains a foreward by Col. E. S. Gorrell, president of ATA, and an editornal

which will publish settles of in-

Depending with a load forter of 50 percent, National Airlines curber, 1943, H S Purkey, Jr., Na-Oct. 1944 were \$4.37 percent higher

The first two of the Cobbs Amer-

TRACTOR UNIT CARGO UNIT ON DOLLY

PCA PROPOSES DEMOUNTABLE CARGO FUSELAGE Demos for a twon-boom coron plane, with demountable further to expedite ground Assidbing of freight. monal engineering department. Drowing above shows plane, not unlike Fairchild's recently greatment C-52

the fresht terminal. Mea is that cargo wests could be interchanged with regularit Aigh utilization forter for the treeter unit. Picture below shour terminol section, with conveyors on an endirar track corrysto cargo between plane cargo unit and truck or fresalt cur. Narry S. Pack of PCA presented these demons



AVIATION NEWS . December 11, 1986

#### Airlines Favored In CAA Port Plan Ger line's show of hearfits from

improvements proposed under Air transport stands to receive provements proposed by the Cavil composheraive surport plan precented to Congress last week. A

ed by CAA to be allotted to intproving fields at presently certifiit late actual countraction by adeindustry would sequire reads entroe to a passenger and cargo

aurocris at 678 languious pour named in applications for new rouses pending before CAB, but it also regrests metallistices at \$40 fields at an estimated cost of \$329,-101,661 and construction of 600 new airports of class III or better costing \$383,915,001 are included

F'Tom Hardin Day"-This feat standing day designated "Term Hardin Day" in honor of Hing, Gen. Thoreas O. Harden, who comcently. During this single 24-bour of votal earge, better than 1,300 In that day, 509 serties were flown Fields for military planes—the Hamp crossing every 2.5 merutes.

Transport's Share of CAA Airports Program

Dome to the table below up or backed outs of separations to reject of 4th and contraction of one at-

AND DESCRIPTION OF THE STATE OF Of Experiment of the manuscriped pooling \$15,000 defeated (see total become of polynomial \$60 are:

#### wrest points out that, in edition to providing a comprehensive net-

of suribery fields useble by mill-Both transport and private nilota facilities for these types of aviapolition contern where sufety requirements make this edvisable.

#### ATC Doubles Cargo Carried Over "Hump" Back in December, 1943, Presi-

O AIRPLANE DESIGN Chen Division of Air Transport STRESS ANALYSIS mately 10,000 tons of cases agrees MAJOR LAYOUT WORK marth, the Carryand flew hetter MINOR LAYOUT WORK

4

. DETAILERS torough being carried as in Decerebra, 1943. The record month . CHECKERS

maintions, trucks, youpe and other

These portions offer count working facilities to a modern plant and hour excellent on perturbes for educacement to gether with a high degree of m the private elembers budgeter. Flying Club teclibles are availolds to those interested in lassning to fly and these who wish to continue their present Oden settebles. The should

WANTED

FNGINFFRS

DESIGNERS

DRAFTSMEN

Our expanded engineering pro-

gram has opened positions

which one excellable immediate. ly to man with experience by:

fedition on educest to the edate information on training experience, and salary desired. of Chief Engineer's Office.

MIDDLETOWN, OHIO

#### At Mart of all the search mode has refer to the

#### Pioneer Model Airport

Ties rescenting rows of Elden, Missouri, is mak-ling aviation history. It is building its own local landing area in the dim, postwar era. Other While the idea of a laboratory airpark is not new

few months ago, for example-we know of no Certainly, the bold choice of local financing in preference to lelling back to awast government handouts is unique and refreshingly reminiscent of American infliative before Uncle Sam dermed

strips 300 feet wate and 2,000 feet long. Entrance to the surpark is five blocks from the Post Office and City Rail. A main highway pacullels the field. Financing is guaranteed by the city. There will be a small park, a nine-bale golf course, tennis and horseshoe courts, punte grounds, and trees, shrubbery and lawns. Opening date is not for June. Guistanding citizens of Eiden, meloding Mayor Reed, Finaley Colling, Meurhant Landerdale, and missioner, estimate the first cost at \$20,000 with extran for park and golf course, heaven buildings Eldon is in Central Missouri, with a population of about 5000. But its live-wire cover leaders are 193,500 tourists and vacationists to the Lake of the

But this rare populace is not certricting its plans merely to cave welface and improvement It is thinking as well about the thousands of other terested further in contributing to the develop-It has arreed with the Missouri State Department of Resources and Development that it will complete record from the site selection to data on property acquisition, development plans, management arrangements, financing, construction, management

buildings and various test equipment on the field

"We are asking the entire aviation industry to particulate and cooperate with us in promoting this construction for all communities in the United States," Frahoff says "We hope to demonstrate to them that they can have aftractive, adequate surpork facilities without great expense and that the operation can be on a self-supporting bases." If eviation does not take advantage on this onportunity and best a path to Eldon's door, let there begin a meestorium on speech-making for This is the kind of spontaneous, effective leader-

#### ship we have been waiting for End of The Wasps

HISH ARMY AN PERCEN officers last week paid tribute to the hard-working Women Aleforce Service Poots whose organization will be desetivated Dec. 20. AMAZION NEWS 1910s in the proise for these young warner. None decies their

At no time in the Waste' stormy blotory was criticism leveled at the seamen themselves. This prejudice on the part of men against women in aviation. This is ally, and the documentary evi-But the entire Wasp project was presented to the rathing as a multiary populate. It was never a relit-

A Congressional committee proved it in a page-Aviation publications, including the News, desurv frill which had all the samuels of a Washfulfill some nersonal ambition in bush obsess. Air-Actually, men pilots lost valuable training facilileads of life entiretructors in the War Training Servery could have been brought to testione levels time, and cheaper. The other counts against the formation of the program were clearly stated by Now that they are trained, the Waspa will be unlearned into coultan autation, which meets everyone who will learn to fly. The Waspe' records in the Army will furnish valuable data about the capabilities of women in flying, yet never were

TOW "INHALES" OIL MIST TO END FIRE HAZARD . . . SALVAGE COOLANT



Oil mist casted by high-speed marking male has created a deagerous bassed in many plants. The oil miss collects on lighting fistures, but dect, wiring and floors, creating a serious fee and necessarial saferr hauned.

Precipitron' - the Westinghouse Electronic Air Cleaner-ands this store. The oil miss is corrected right at the muching ..., the air shoroughty cleaned for recirculation . . . she curring oil salvaged for re-sas. And the salvage possibilities can be surprising. able to comp air-borne particles as small at 1/250,000 of an inch in diameter . . . it removes 90% more diet Precipieron is available for either simple or maticals sool installations. Operating cost is low and emissenance simple. Westinghouse englacers will be glad to show you how Precipitron will end oil mist hazards in your place. For more information or engineering



assistance write Westingbouse Electric & Mfg. Co., stinghouse Precipitron the Electronic air Cleaner

Dept. 7-N, East Pinnburgh, Pa.

ROUSE H. Woon



## STING-by General Electric

DEADLY—swift—the P-61's sting is her G-E remotely operated, multiple gun turret. This armament system has made possible construction features heretofore impractical for this plane. Now, the revolving gun turret is very accurately controlled by gunners who are comfortably seated and working without strain. Plane designers have also found that the G-E system makes possible better weight distribution and maneuverability.

This is another example of the contributions General Electric laboratories and engineers are making towards the advancement of Allied success in aerial warfare. Others—on planes of many types—are the turbosupercharger to increase altitude, speed, and range; motors to power movable surfaces, open bomb bays, do the heavy work; instruments to guide and control; power systems to supply heat and light; and many, many other devices to increase fire power and improve plane operation. G-E equipment has demonstrated on many fronts that it is a powerful weapon in the hands of our fighting men. General Electric Company, Schenectady 5, N.

PRECISION PRODUCTS
AND
ENGINEERED SYSTEMS

FOR AIRCRAFT
Buy all the BONDS you can

Buy all the BONDS you can and keep all you buy GENERAL @ ELECTRIC